

CNCI-SCRM

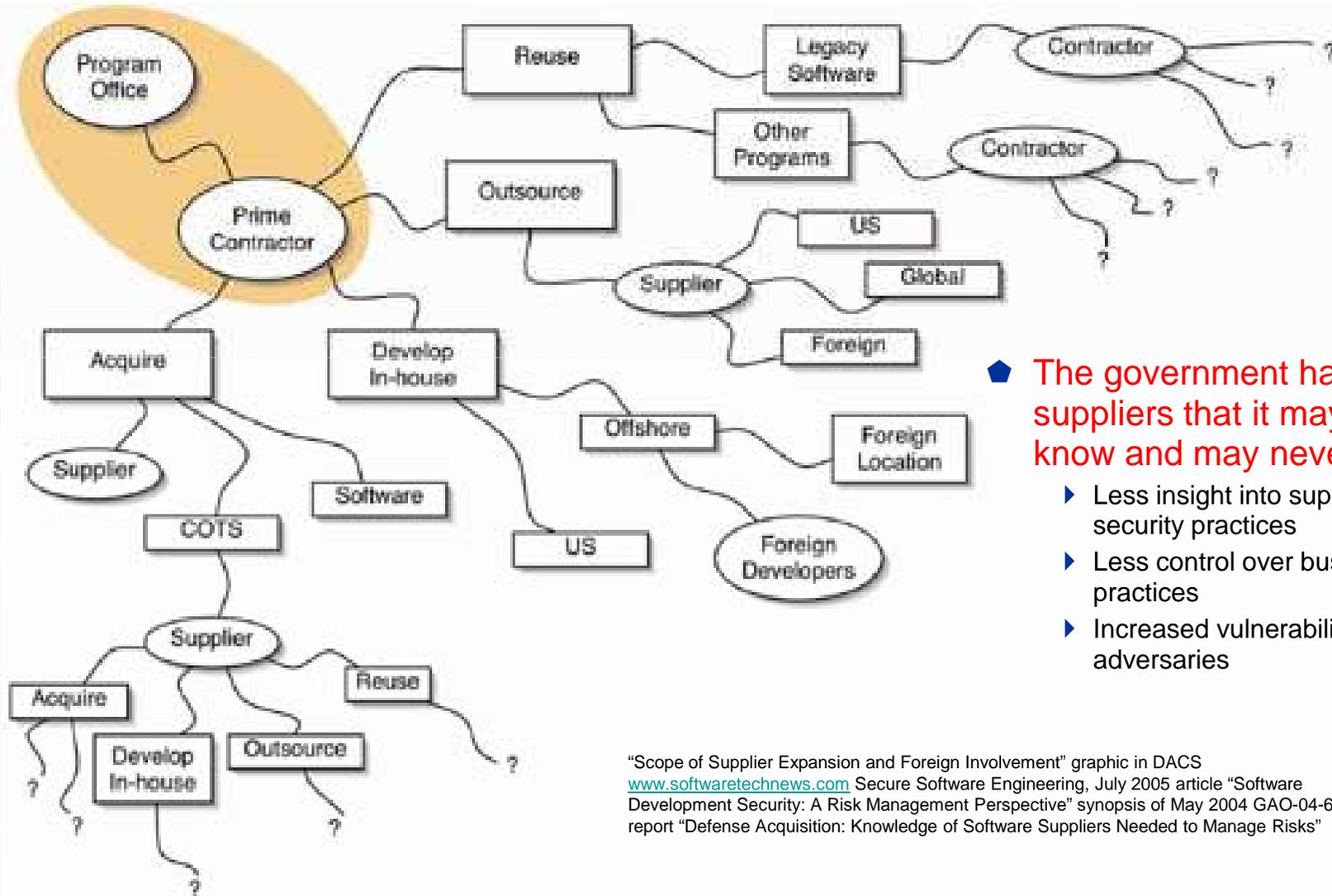
US Comprehensive National Cybersecurity Initiative – Supply Chain Risk Management

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Globalization brings challenges to DoD...



◆ The government has suppliers that it may not know and may never see

- ▶ Less insight into suppliers' security practices
- ▶ Less control over business practices
- ▶ Increased vulnerability to adversaries

"Scope of Supplier Expansion and Foreign Involvement" graphic in DACS
www.softwaretechnews.com Secure Software Engineering, July 2005 article "Software Development Security: A Risk Management Perspective" synopsis of May 2004 GAO-04-678 report "Defense Acquisition: Knowledge of Software Suppliers Needed to Manage Risks"

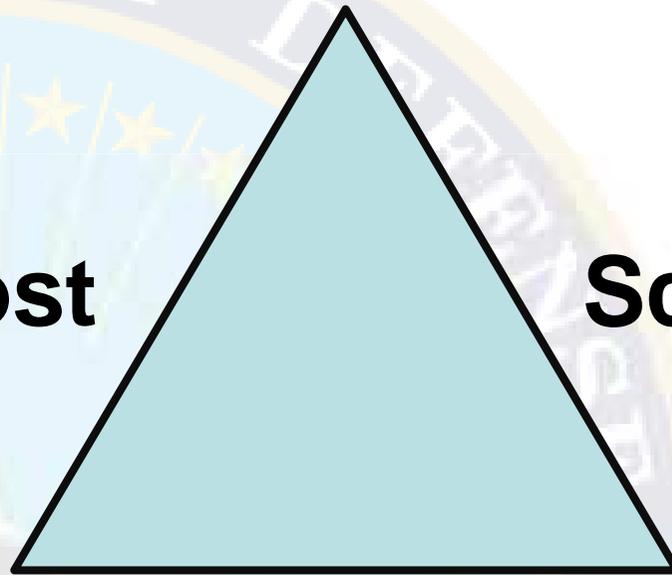


What's the Impact of a Globalized Supply Chain

Cost

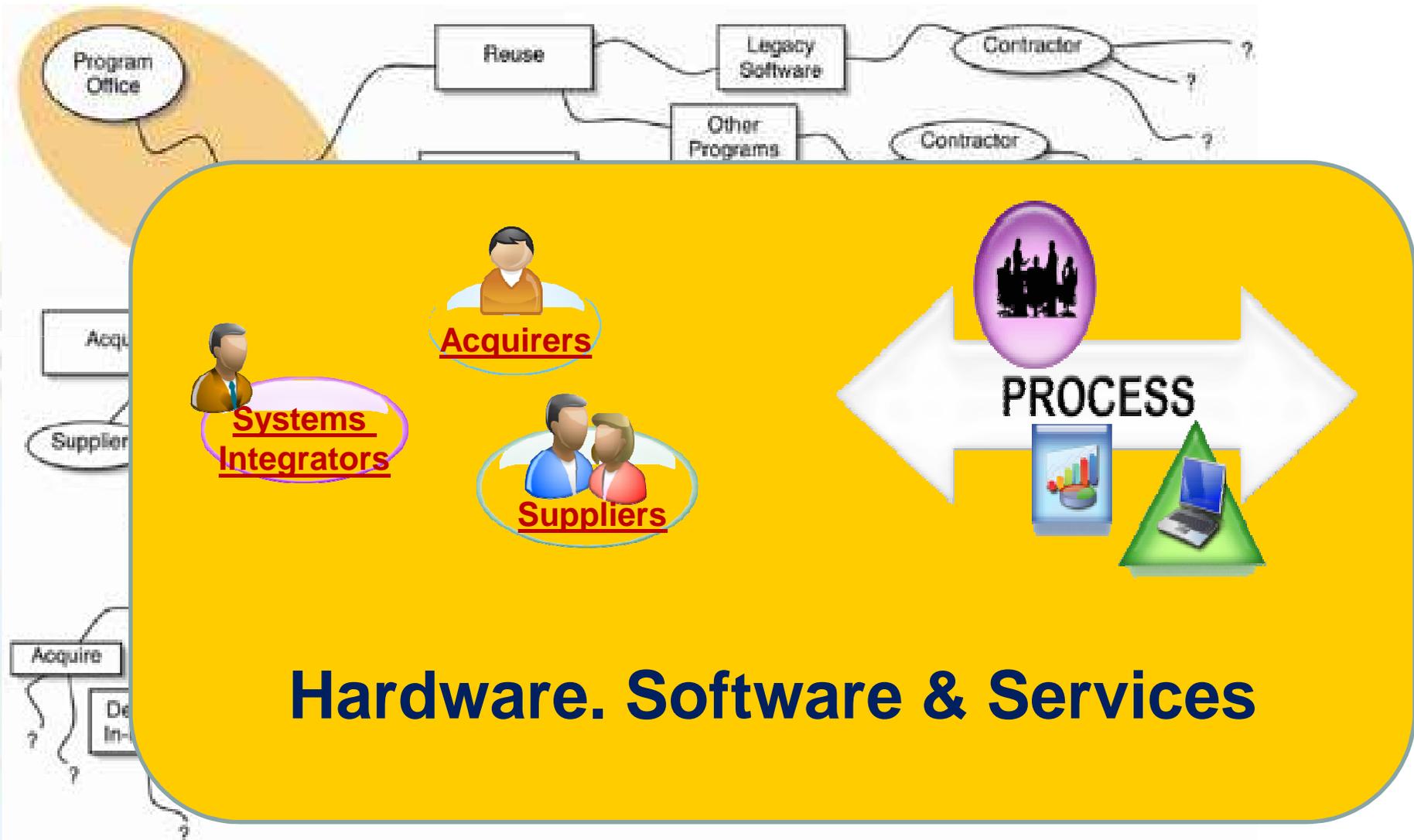
Schedule

Performance





Globalization brings challenges to DoD...





Comprehensive National Cybersecurity Initiative (CNCI)

Focus Area 1

- Trusted Internet Connections
- Deploy Passive Sensors Across Federal Systems
- Pursue Deployment of Intrusion Prevention System (Dynamic Defense)
- Coordinate and Redirect R&D Efforts

Establish a front line of defense

Focus Area 2

- Connect Current Centers to Enhance Cyber Situational Awareness
- Develop a Government Wide Cyber Counterintelligence Plan
- Increase the Security of the Classified Networks
- Expand Education

Demonstrate resolve to secure U.S. cyberspace & set conditions for long-term success

Focus Area 3

- Define and Develop Enduring Leap Ahead Technology, Strategies & Programs
- Define and Develop Enduring Deterrence Strategies & Programs
- Develop Multi-Pronged Approach for Global Supply Chain Risk Management
- Define the Federal Role for Extending Cybersecurity into Critical Infrastructure Domains

Shape the future environment to demonstrate resolve to secure U.S. technological advantage and address new attack and defend vectors



SCRM & C2T2 in the DoD Lifecycle



“CNCI-SCRM is multi-pronged approach for global supply chain risk management. ...Managing this risk will require a greater awareness of the threats, vulnerabilities, and consequences associated with acquisition decisions; the development and employment of tools and resources to technically and operationally mitigate risk across the lifecycle of products (from design through retirement); the development of new acquisition policies and practices that reflect the complex global marketplace; **and partnership with industry to develop and adopt supply chain and risk management standards and best practices.**”

254 Report
Identified a
Need for a
Plan-of-Action
on

COUNTERING
COUNTERFEITS

especially
during

OPERATIONS
&
SUSTAINMENT



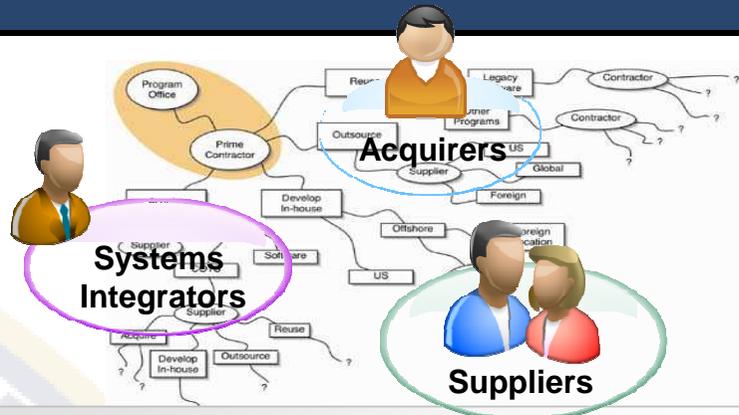
Product Assurance TRADESPACE

Higher COST can buy Risk Reduction

Unique Requirements



COTS products



SCRM Standardization and Levels of Assurance will enable **Acquirers** to better communicate requirements to **Systems Integrators & Suppliers**, so that the “supply chain” can demonstrate good/best practices and enable better overall risk measurement and management.

Slippery Slope / Unmeasurable Reqts

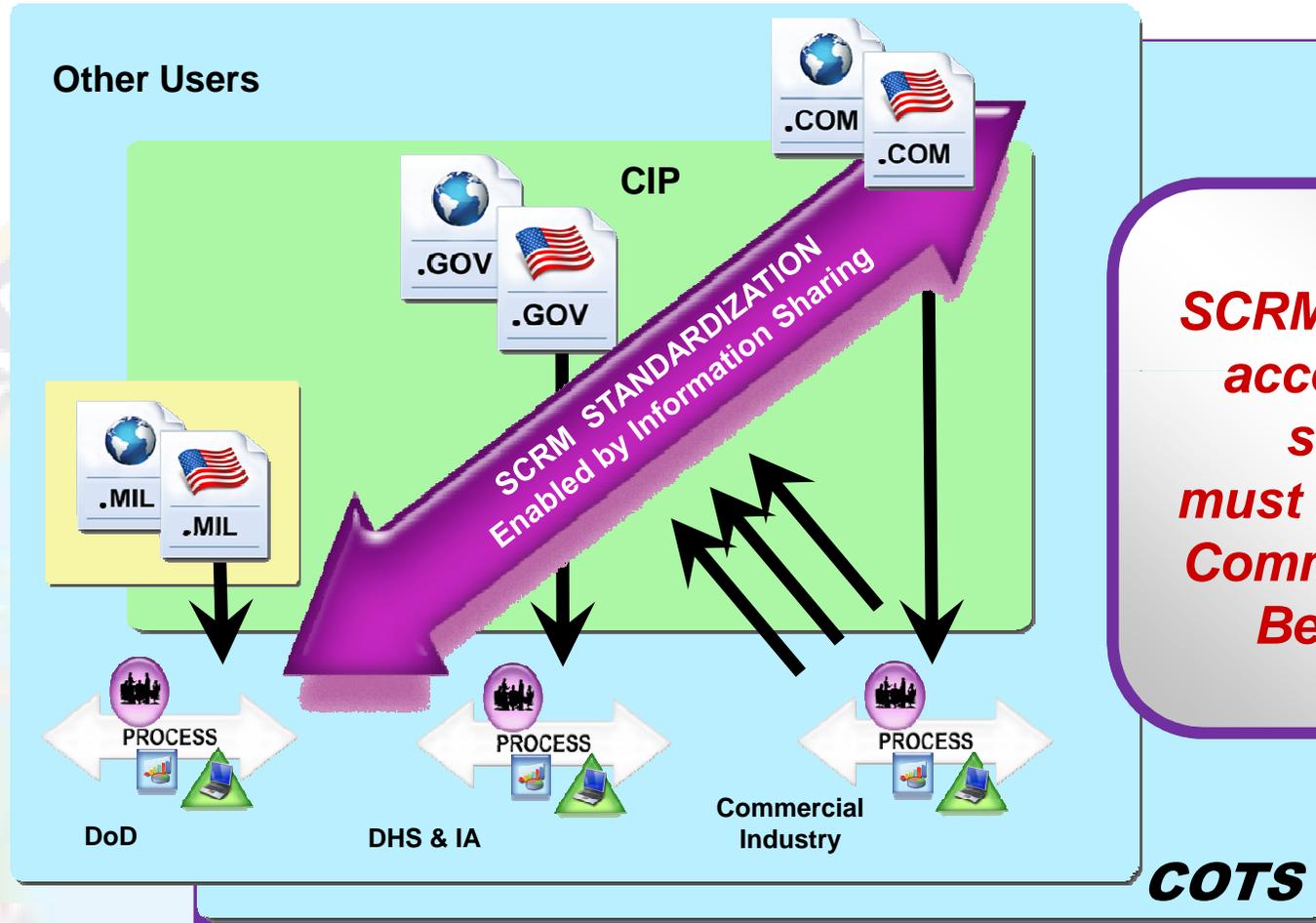
Lower Cost usually means Higher RISK

Risk



SCRM Stakeholders

US has vital interest in the global supply chain.



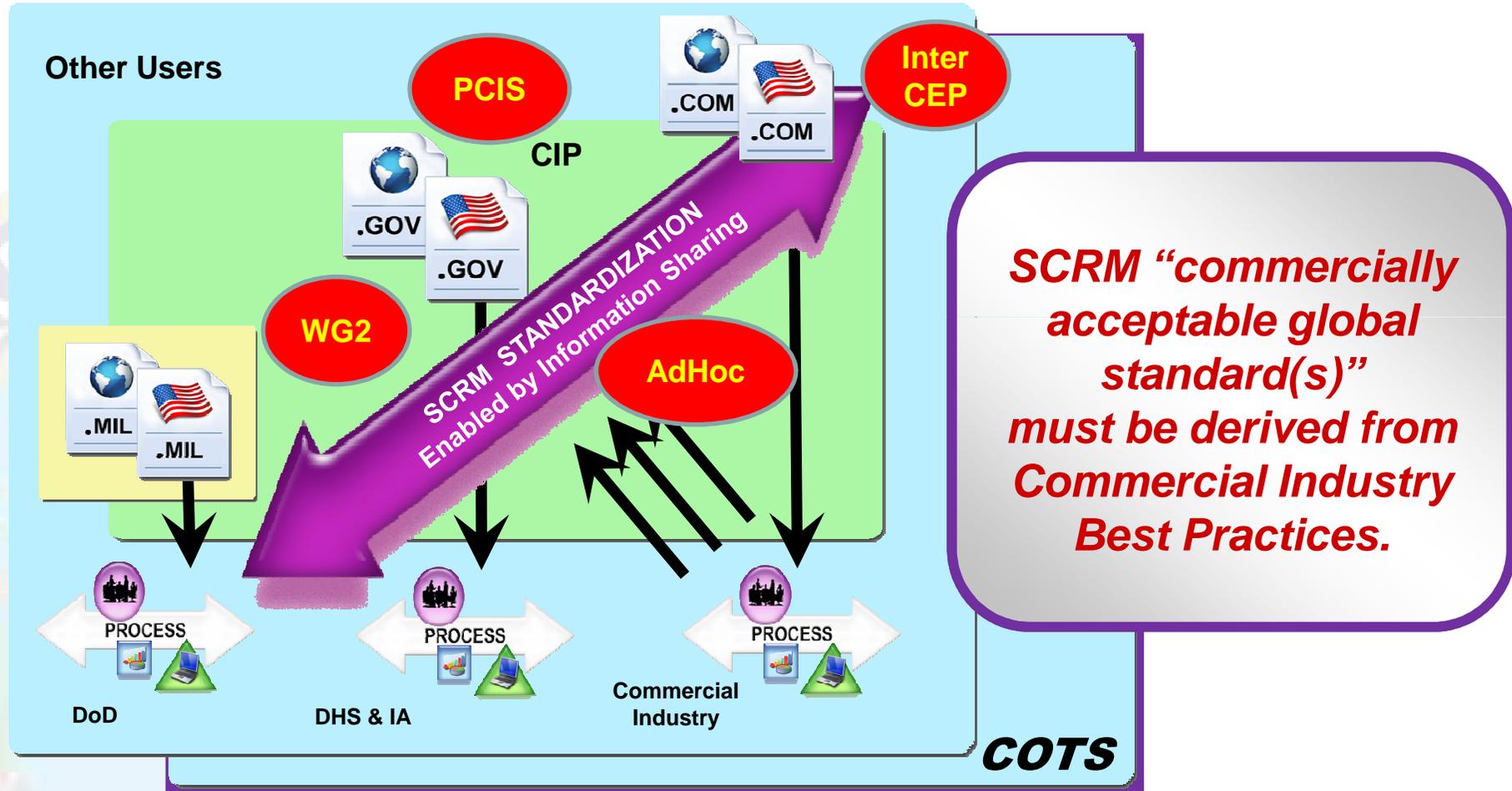
SCRM “commercially acceptable global standard(s)” must be derived from Commercial Industry Best Practices.

SCRM Standardization Requires Public-Private Collaborative Effort



SCRM Stakeholders

US has vital interest in the global supply chain.



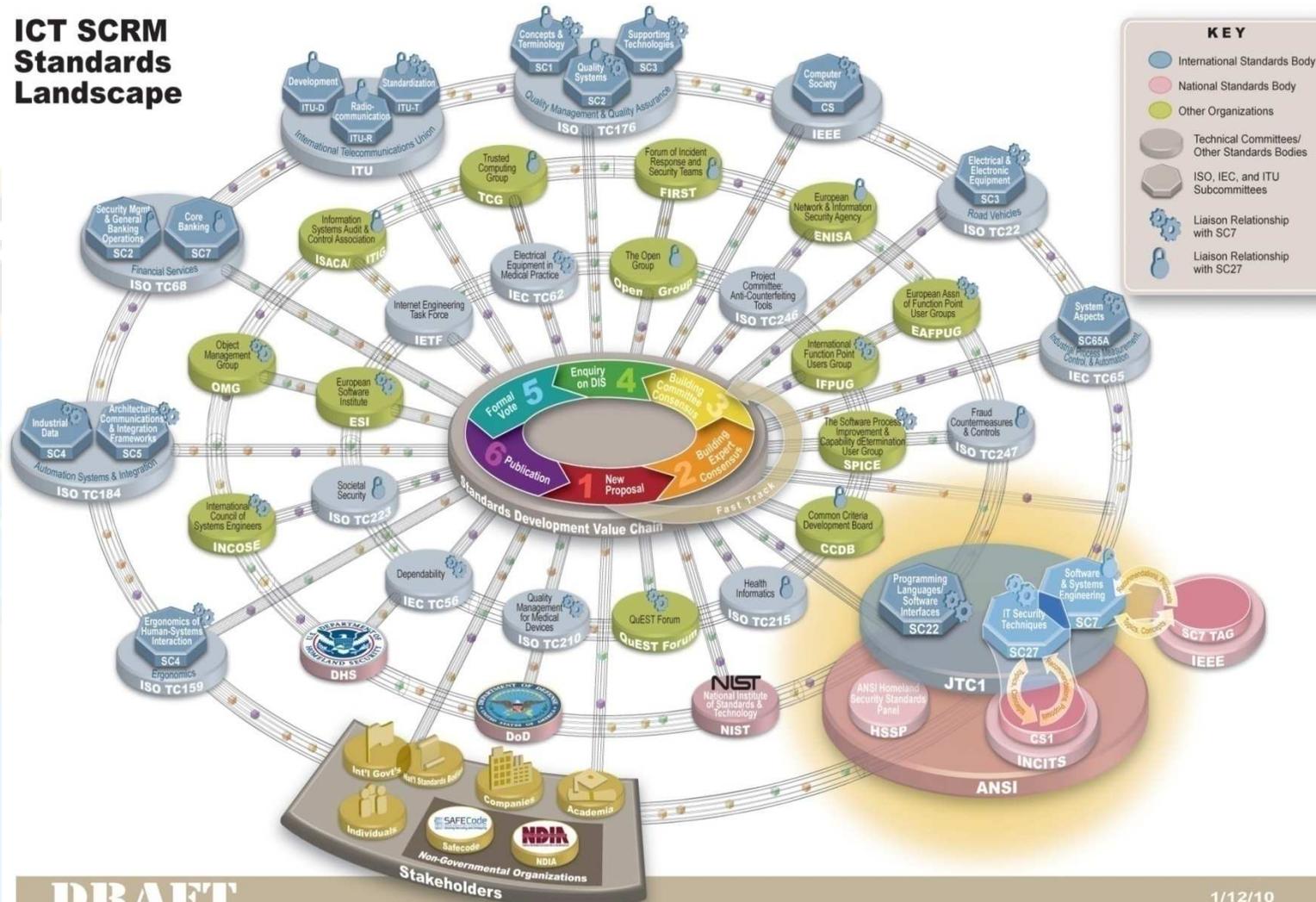
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Standards Development Organizations SDOs Landscape: SCRM Perspective

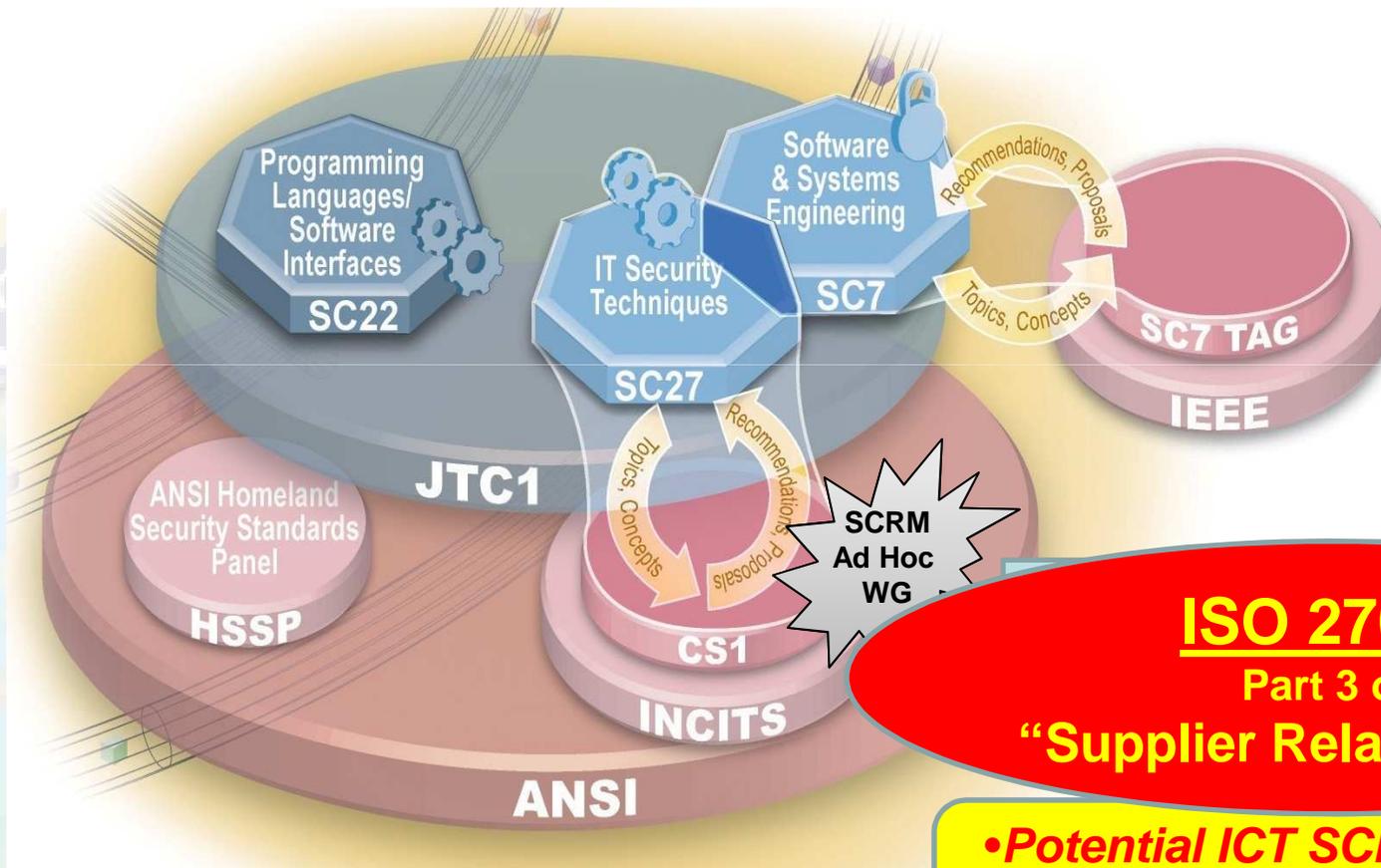
ICT SCRM Standards Landscape



DRAFT



SCRM Study Periods: Nov'09 – Apr'10 / May-Oct'10

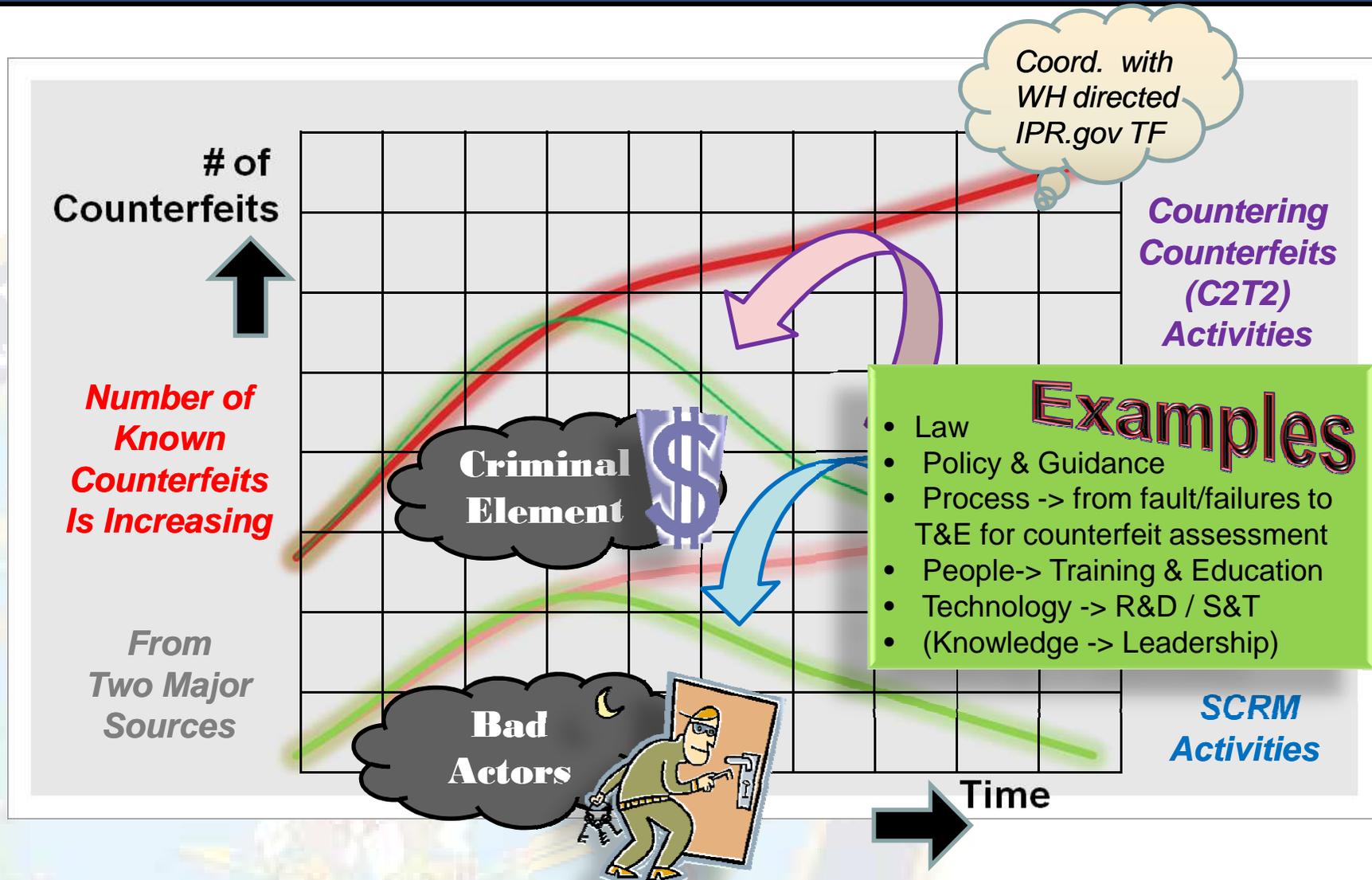


ISO 27036 Part 3 on **“Supplier Relationships”**

- **Potential ICT SCRM ISO Standard**
- **Development 2010-2013**
- **Adoption 2013-2016**



Countering Counterfeits Strategic Concept





C2T2 Process-to-Product

Work with new WH directed IPR.gov Task Force!

C2T2 Task

“...Address DoD's vulnerabilities associated with counterfeits in our supply chains and methods to mitigate risks caused by those counterfeits.”

Developing a DoD “Countering Counterfeits” holistic strategy to reduce & manage risks from counterfeits in the supply chain

C2T2 Strategy

- ✓ Investigated Situation,
- ✓ Drafted Mission, Vision, Goals, “Definition”
- ✓ Identified “Countering Counterfeits” Activities ,
- ✓ Conducted Preliminary Gap Analysis, to better enable DoD to prevent, detect, and respond to counterfeits
- ✓ Drafted DTM & POAM

C2T2 Way Ahead

Appoint OPR

Finalize DTM & POAM

- Policy
 - Processes (with Metrics)
 - Resources
- ... to implement Strategy



22 Dec'09
C2T2
Memorandum

Data Collection & Meetings

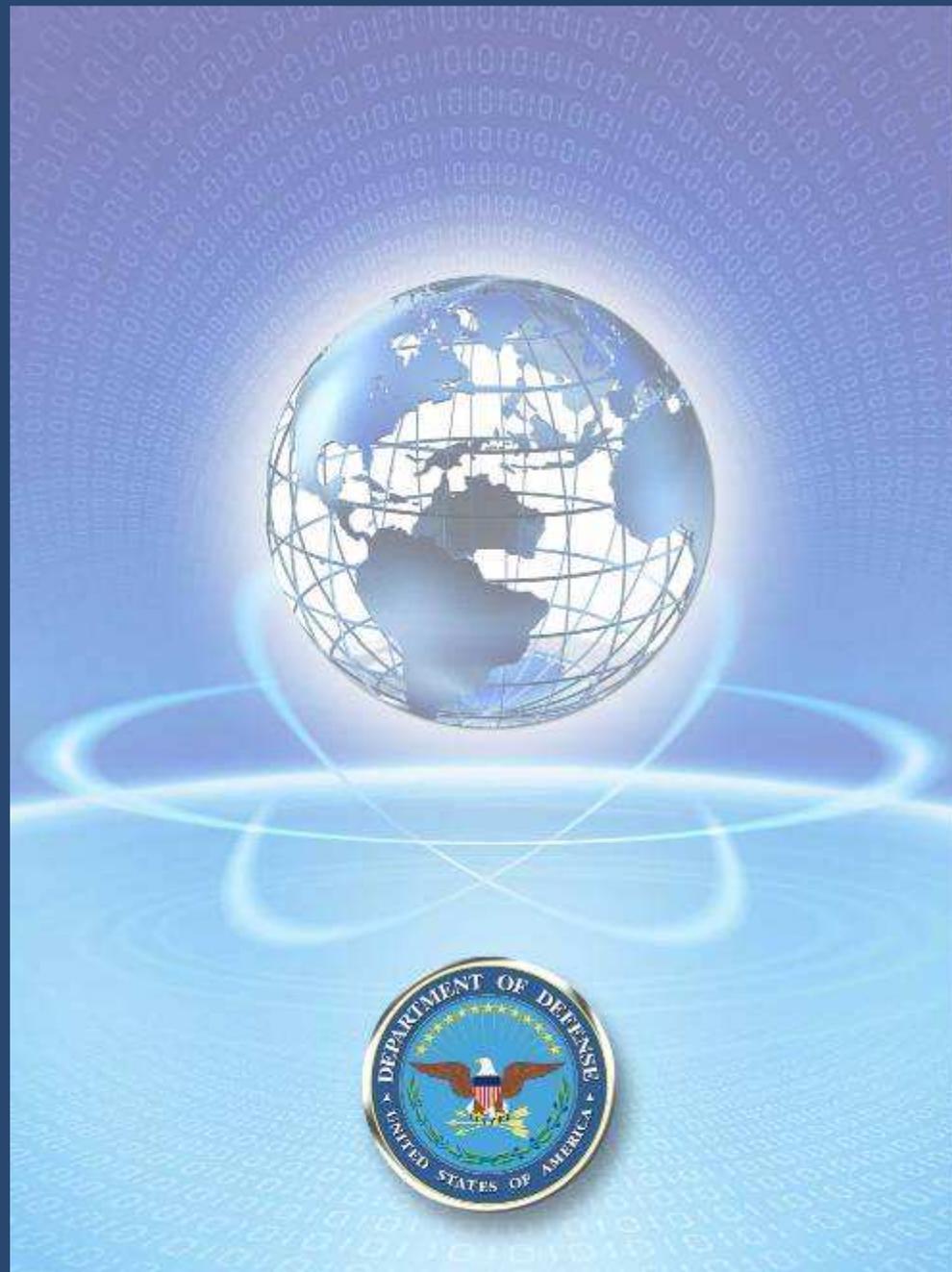
Tri-Chair Updates

Site Visits / Analysis & Meetings

AT&L / NII Strategy UPDATE

Way Ahead
C2T2 → OPR

Dec'10
OPR, DTM & POAM



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